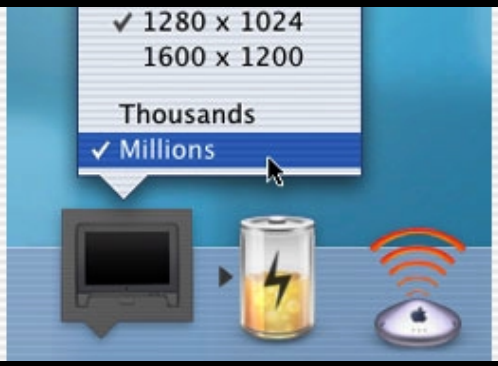
Session 111

Make It Aqua: Adopt the Mac OS X User Experience



John Geleynse
User Experience Technology Manager

Overview

- Benefits of great design
- Aqua Adoption scenarios
- Building blocks for Aqua

Finder
File
Edit
View
Go
Window
Help
11:23 AM
as Columns
as Icons
as List
Clean Up
Arrange by Name
Hide Toolbar ⌘B
Customize Toolbar...
Show Status Bar
Show View Options ⌘J
Documents
Back
View
Computer
Home
Favorites
Applications
My Project
Homework
Ladybug
Star Fish
MP3
Jazz
Read me
QuickTime Player
00:12:23
untitled document
Save as: Flowers
Where: Documents
Save Image Preview
Cancel
Save
TextEdit
pdf

User Benefits of Great Design

- Your users will…
  - Learn your product faster
  - Accomplish tasks more quickly
  - Increase productivity
  - Increase self-confidence
  - Be more satisfied with their purchase
  - And more…

Developer Benefits of Great Design

- You will…
  - Increase upgrade revenue
  - Have reduced support costs
  - Have simplified documentation
  - Earn more positive product reviews
  - Gain a competitive advantage
  - Establish a reputation of quality

Aqua Adoption Scenarios

Good **Better** **Best**

Aqua Adoption Scenarios

- Apple Help
- Window Layering
- Layout
- Appearance
- Respect the Dock
- Quality Icons

Good **Better** **Best**

Aqua Adoption Scenarios

Good	Better	Best
	Help Tags	
	Sheets	
	File Locations	
Apple Help	Apple Help	
Window Layering	Window Layering	
Layout	Layout	
Appearance	Appearance	
Respect the Dock	Respect the Dock	
Quality Icons	Quality Icons	

Aqua Adoption Scenarios

Good	Better	Best
		Speech Enabled
		Drawers
		Dock Animation
	Help Tags	Help Tags
	Sheets	Sheets
	File Locations	File Locations
Apple Help	Apple Help	Apple Help
Window Layering	Window Layering	Window Layering
Layout	Layout	Layout
Appearance	Appearance	Appearance
Respect the Dock	Respect the Dock	Respect the Dock
Quality Icons	Quality Icons	Quality Icons

Aqua Adoption Scenarios

Good	Better	Best
Apple Help	Help Tags	Adopt the Aqua Human Interface Guidelines
Window Layering	Sheets	
Layout	File Locations	
Appearance	Apple Help	
Respect the Dock	Window Layering	
Quality Icons	Layout	
	Appearance	
	Respect the Dock	
	Quality Icons	

1 Cocoa/Carbon/Java

- You already know how to do this…

2 Quality Icons

2 Quality Icons

Designing and Using Aqua Icons, Session 130
Friday 10:30am, Hall 2

3 The Dock

- All applications should
  - Respect the Dock's location
  - Produce a window when activated
- Some applications should
  - Animate Dock icons

Respect the Dock's Location

Respect the Dock's Location

Dock Clicks Always Produce a Window

- For document-based applications
  - If no document windows are open
    - Open and create an untitled document
  - If all open windows are minimized
    - Activate the last window minimized
- For non-document-based applications
  - Show your main application window

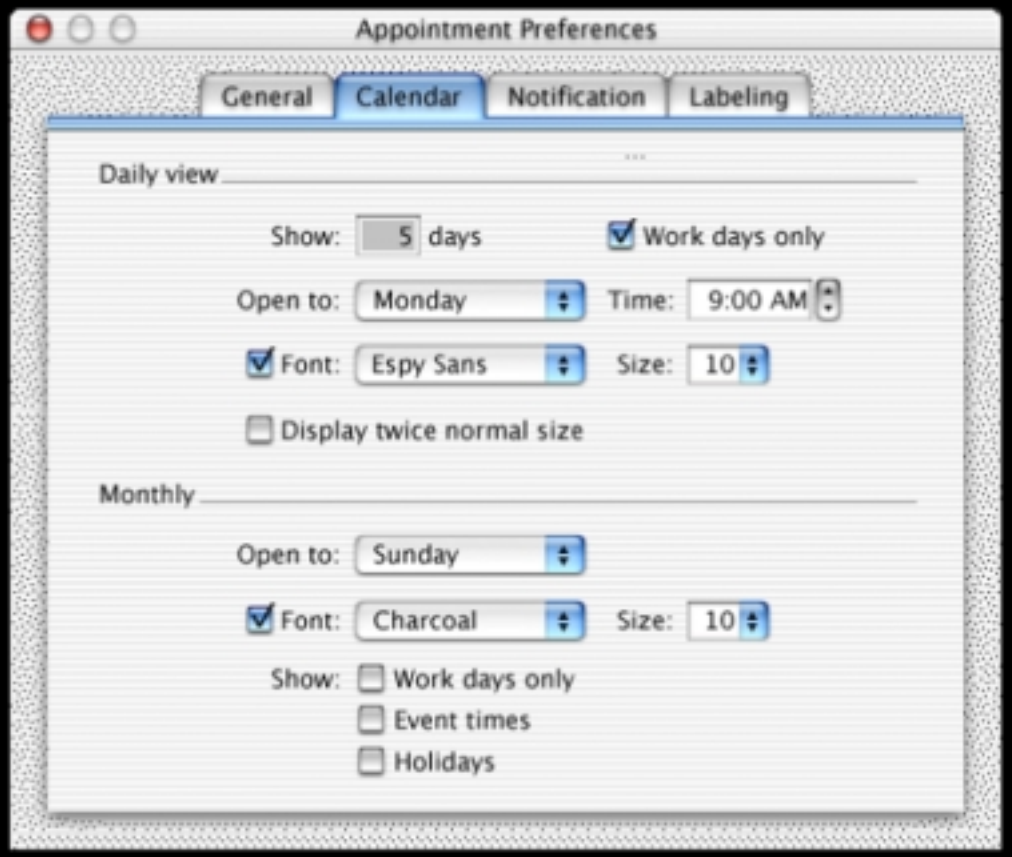
Animating Dock Icons

Animating Dock Icons

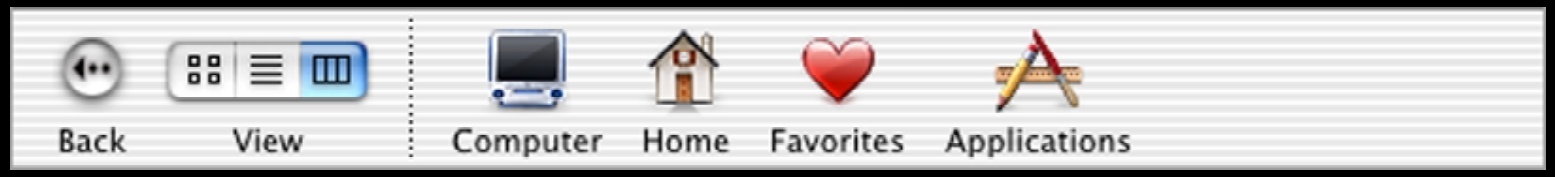
Animating Dock Icons

What’s Your Citizenship?

4 System Appearance

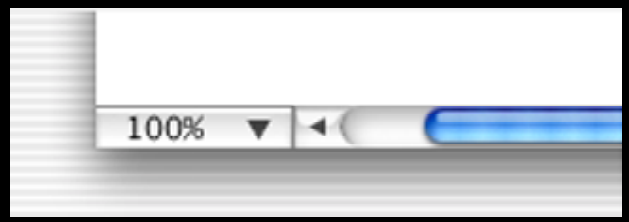


Toolbars

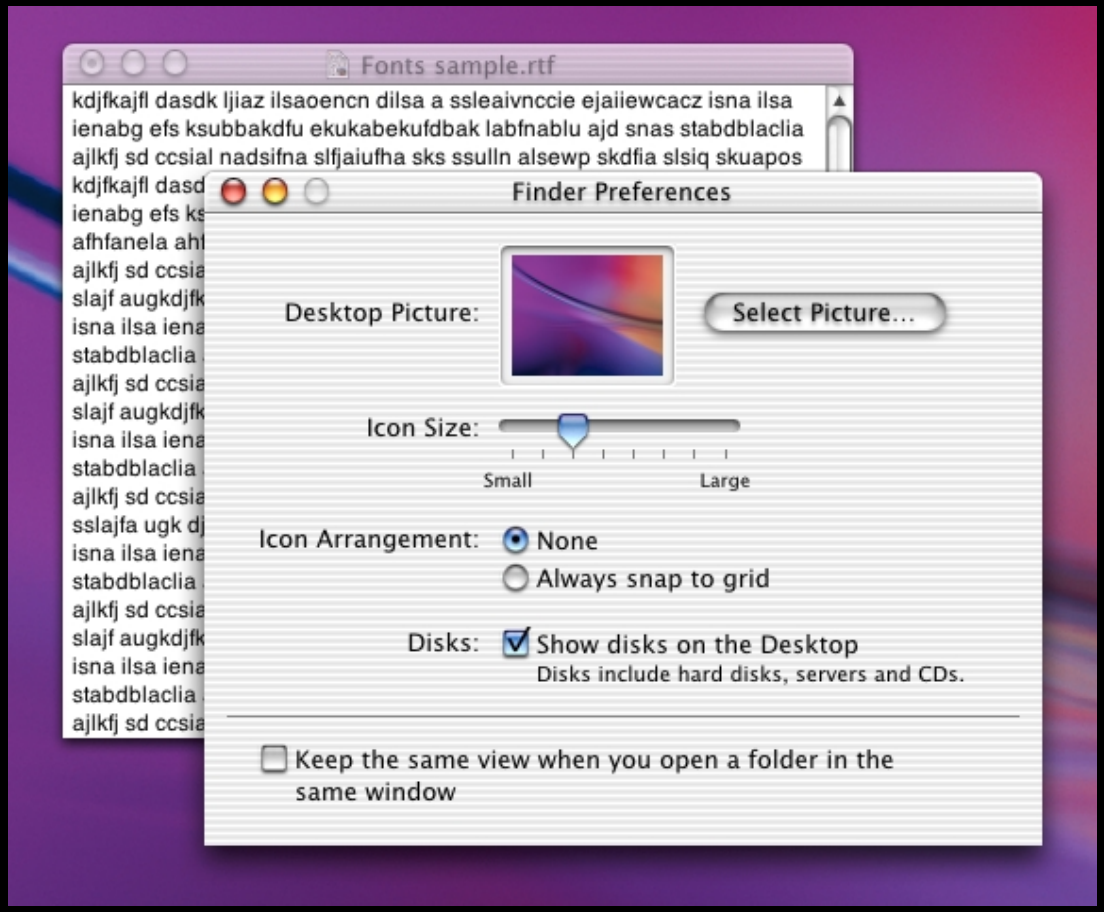

Back
View
Computer
Home
Favorites
Applications

Delete
Reply
Reply All
Forward
Compose
Mailbox
Get Mail
Subject

Square Bevel Button

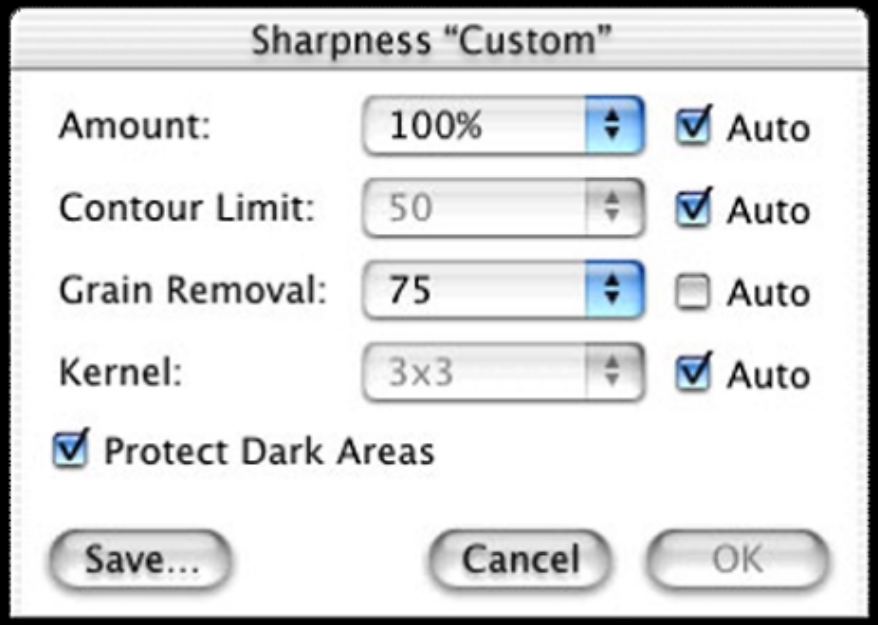


Text

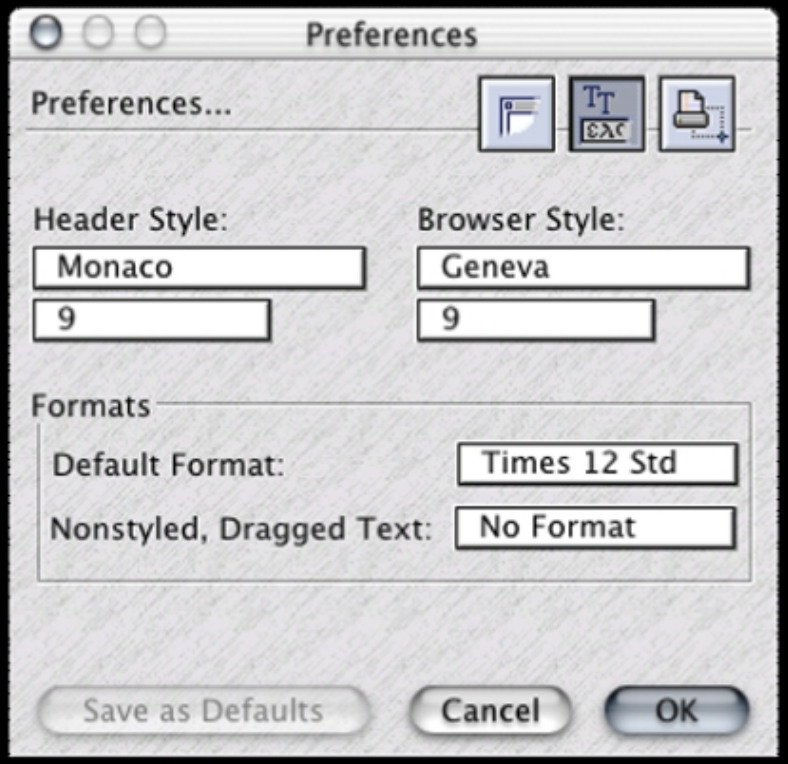

Fonts sample.rtf
kdjfkajfl dasdk ljiaz ilsaoencn dilsa a ssleaivnccie ejaiiewcacz isna ilsa
ienabg efs ksubbakdfu ekukabekufdbak labfnablu ajd snas stabdblaclia
ajlkfj sd ccsial nadsifna slfjaiufha sks ssulln alsewp skdfia slsiq skuapos
Finder Preferences
Desktop Picture:
Select Picture...
Icon Size:
Small
Large
Icon Arrangement:
None
Always snap to grid
Disks:
Show disks on the Desktop
Disks include hard disks, servers and CDs.
Keep the same view when you open a folder in the same window

Common Oversights

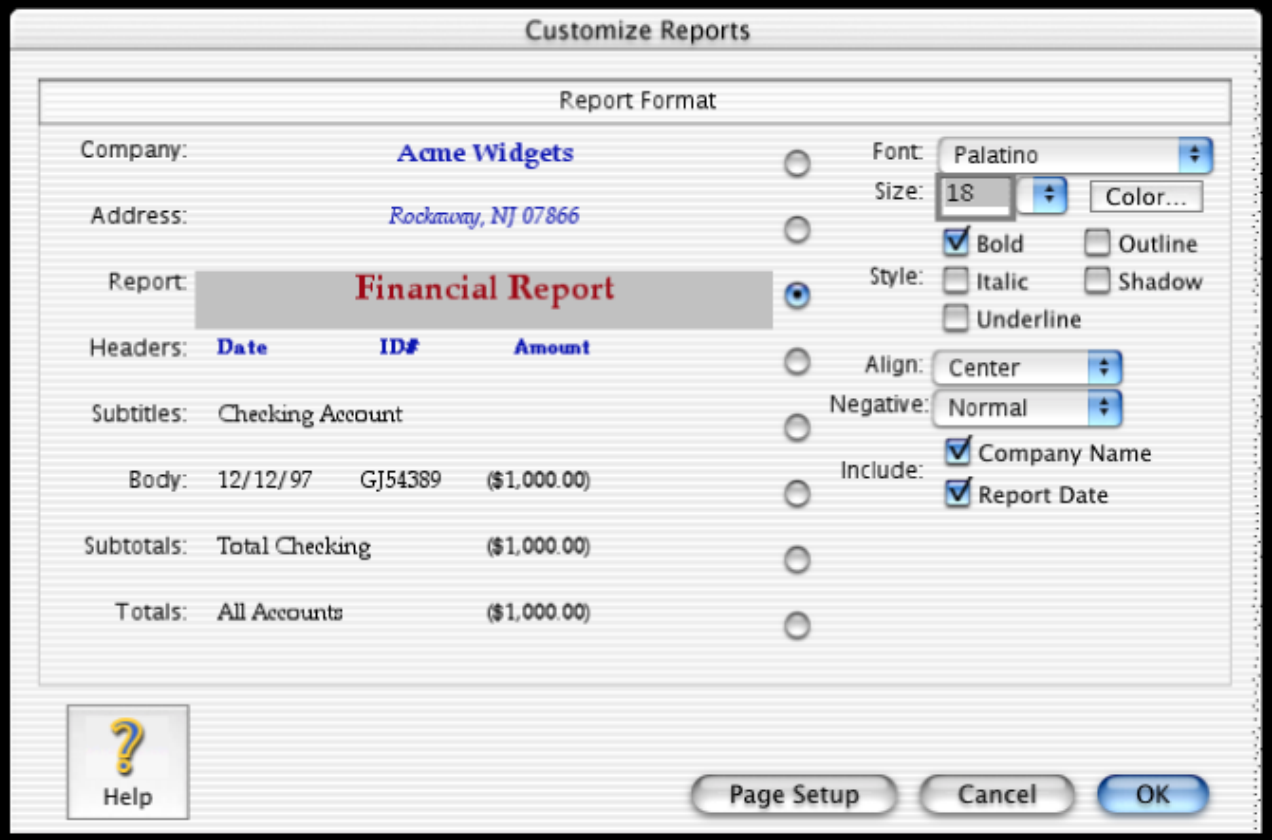
Wrong Window Backgrounds

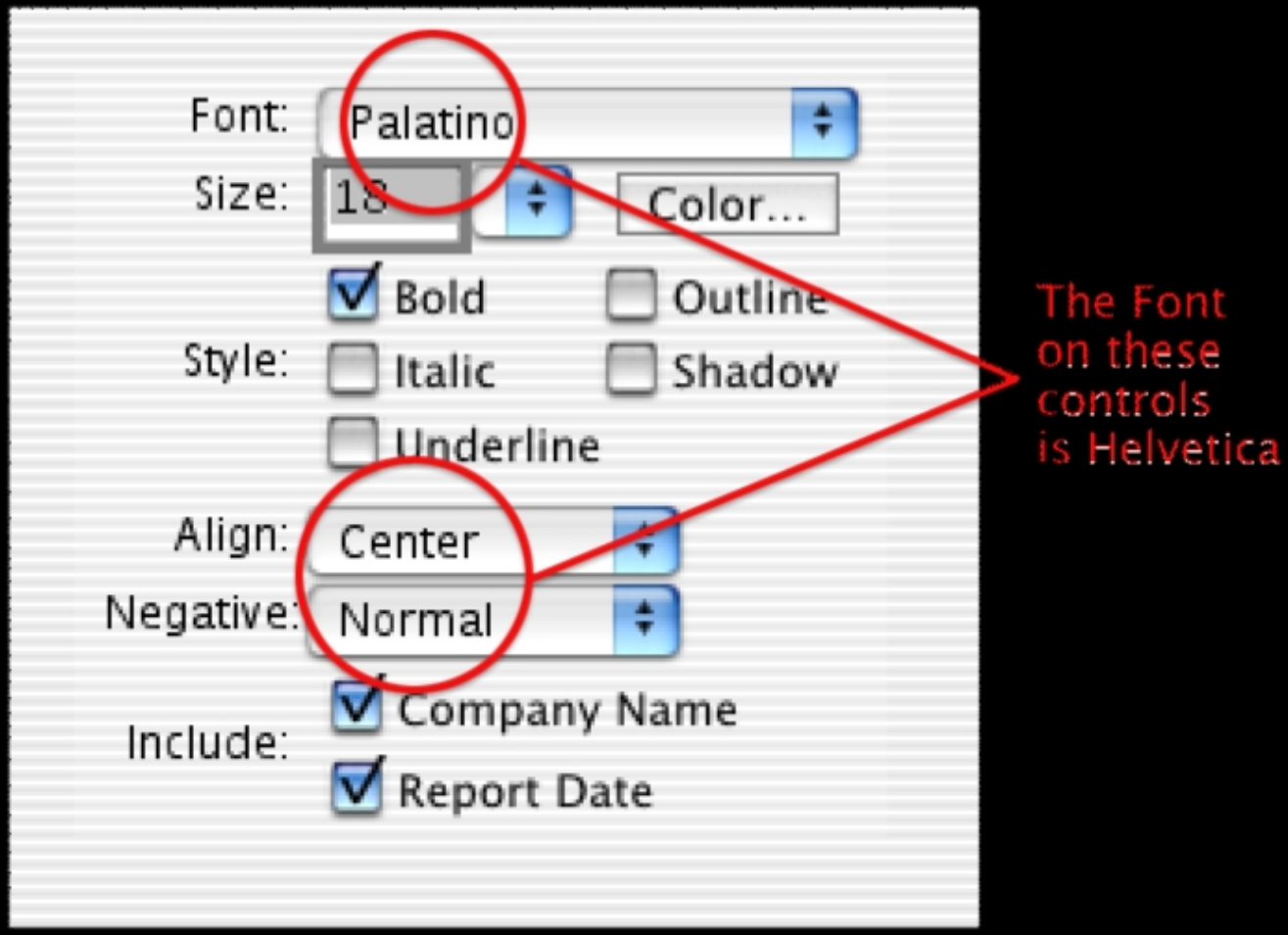


Wrong Window Backgrounds

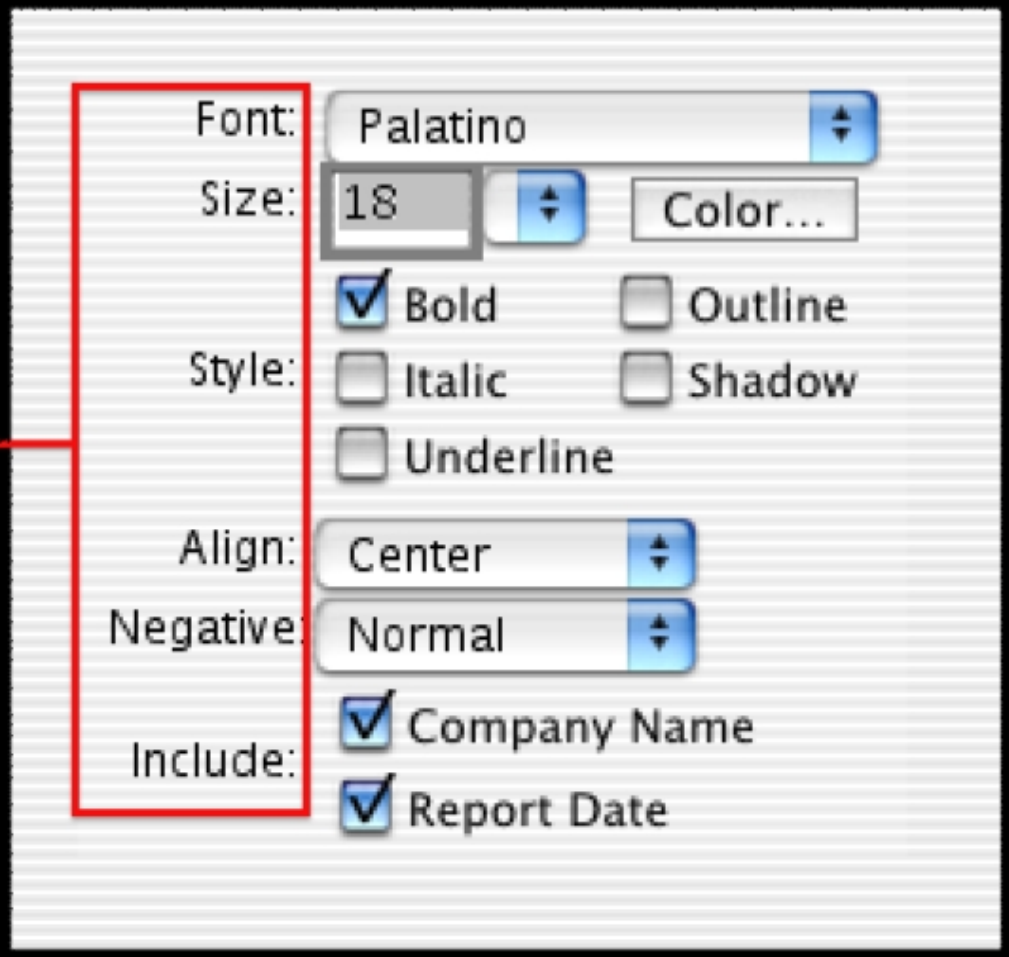


Anti-Aliased Text. Or Not.

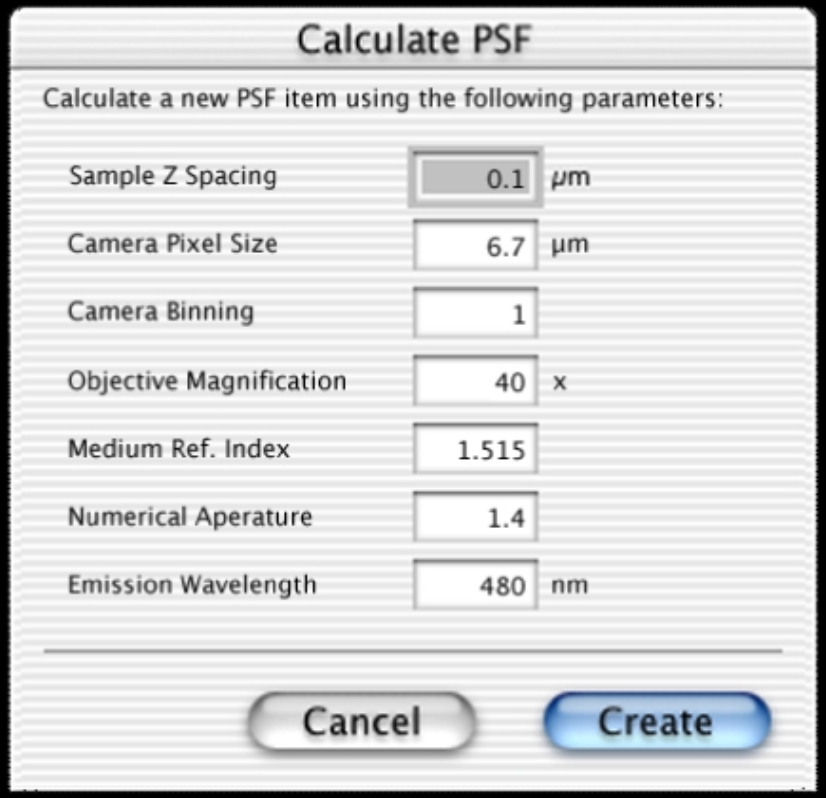



Font:
Palatino
Size:
18
Color...
Bold
Outline
Style:
Italic
Shadow
Underline
Align:
Center
Negative:
Normal
Include:
Company Name
Report Date
The Font on these controls is Helvetica

These Labels are Helvetica

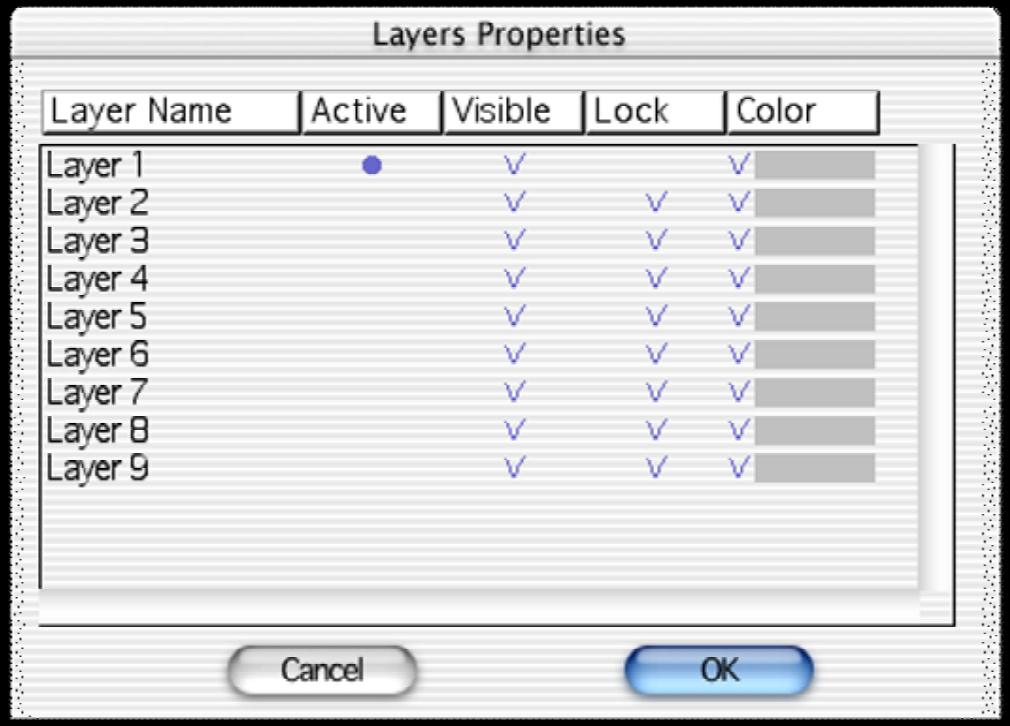


Text Is Too Small

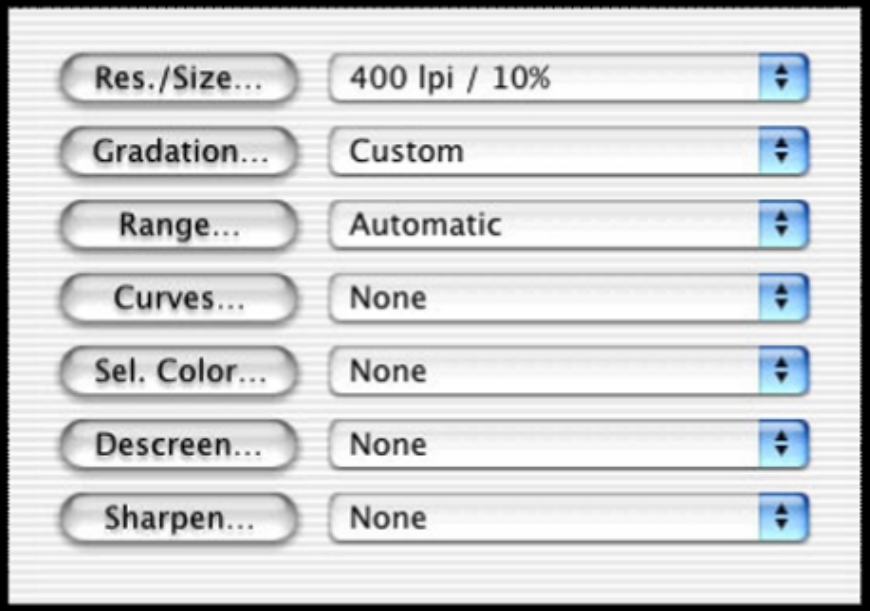


Mixing Small and Large Text

It Might Be a List…

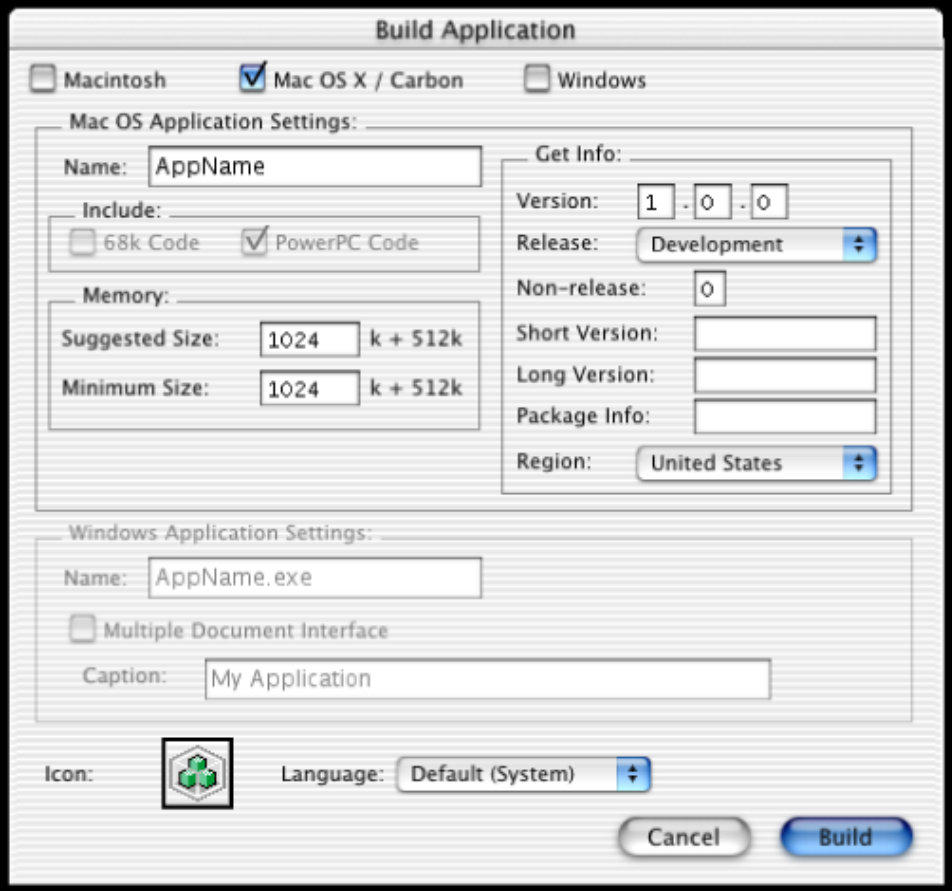


Button Labels? Label Buttons?

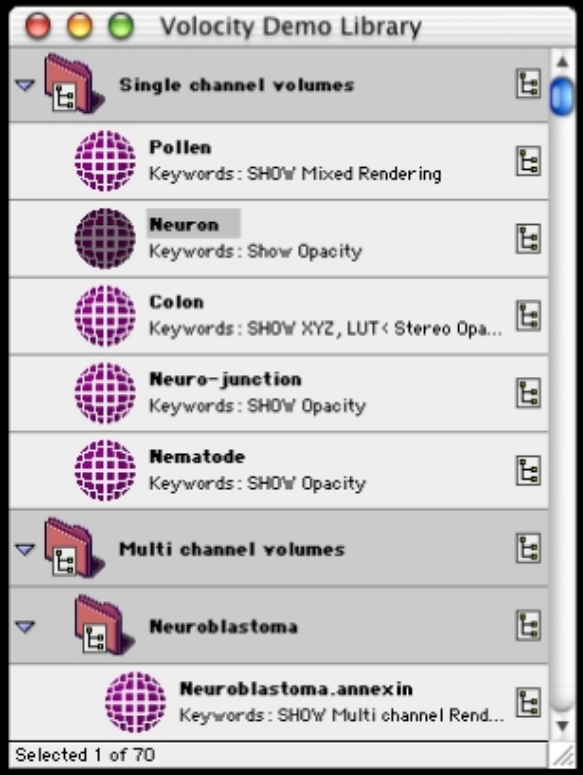


And the . . . Means?

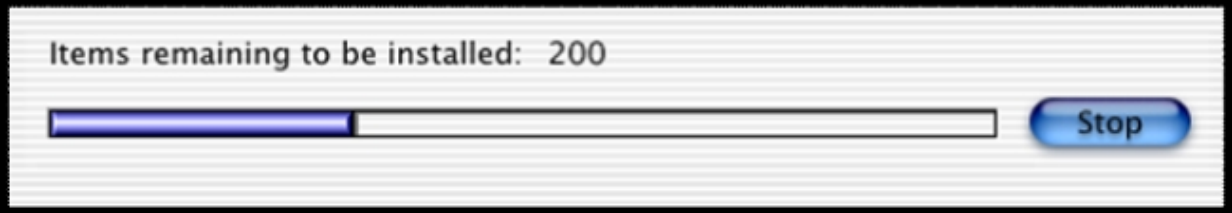
Too Many Group Boxes



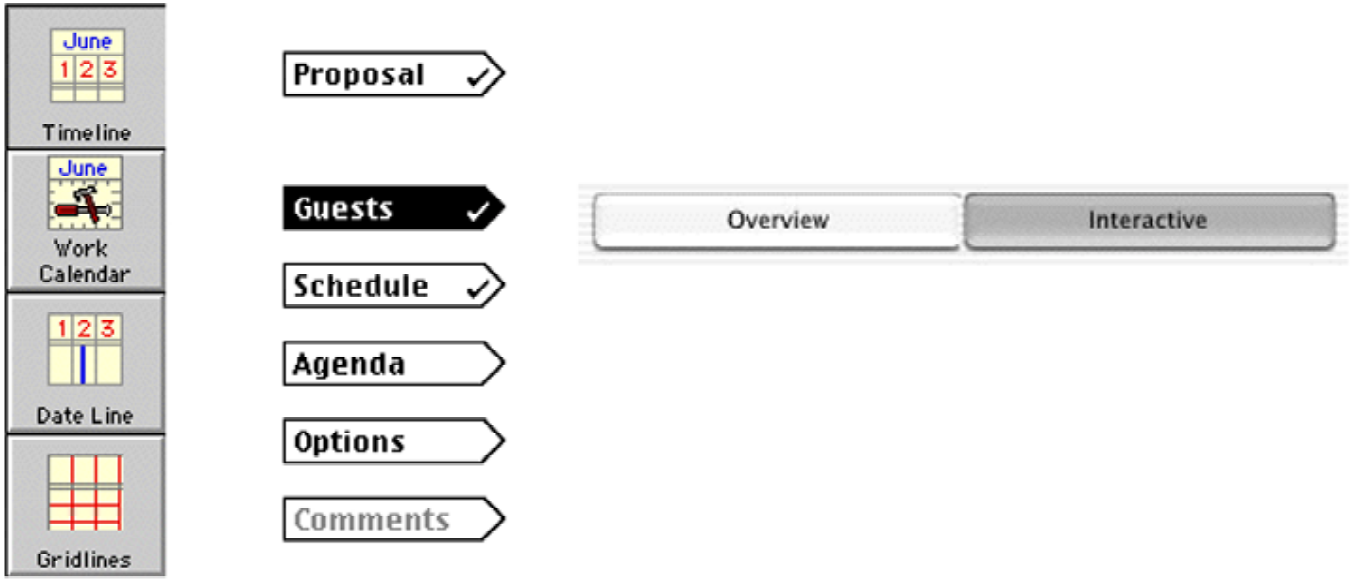
Mixing Platinum and Aqua



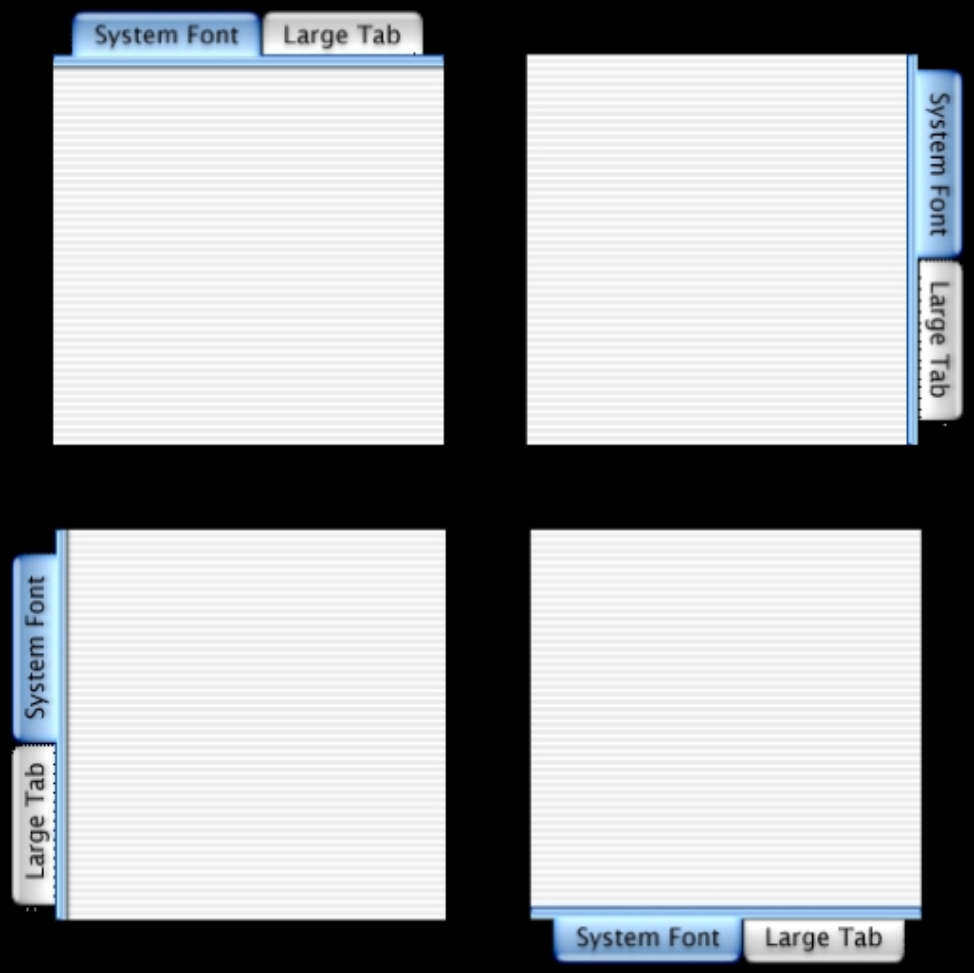
Mixing Platinum and Aqua



Wrong Tabs

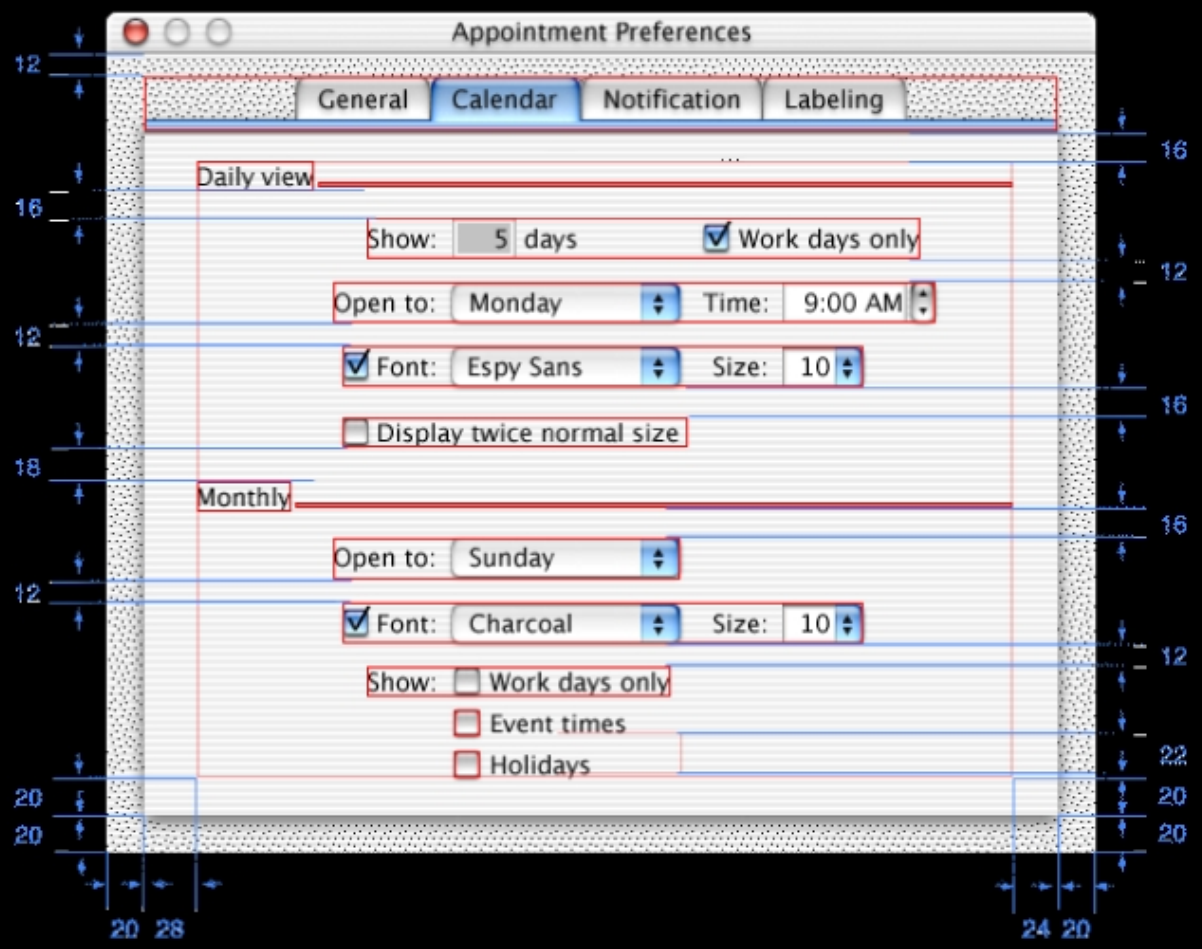

June
1 2 3
Timeline
June
Work Calendar
1 2 3
Date Line
Gridlines
Proposal
Guests
Schedule
Agenda
Options
Comments
Overview
Interactive

Aqua Tabs


System Font
Large Tab
System Font
Large Tab
System Font
Large Tab
System Font
Large Tab

Toolbar Overdose

5 Follow Layout Guidelines

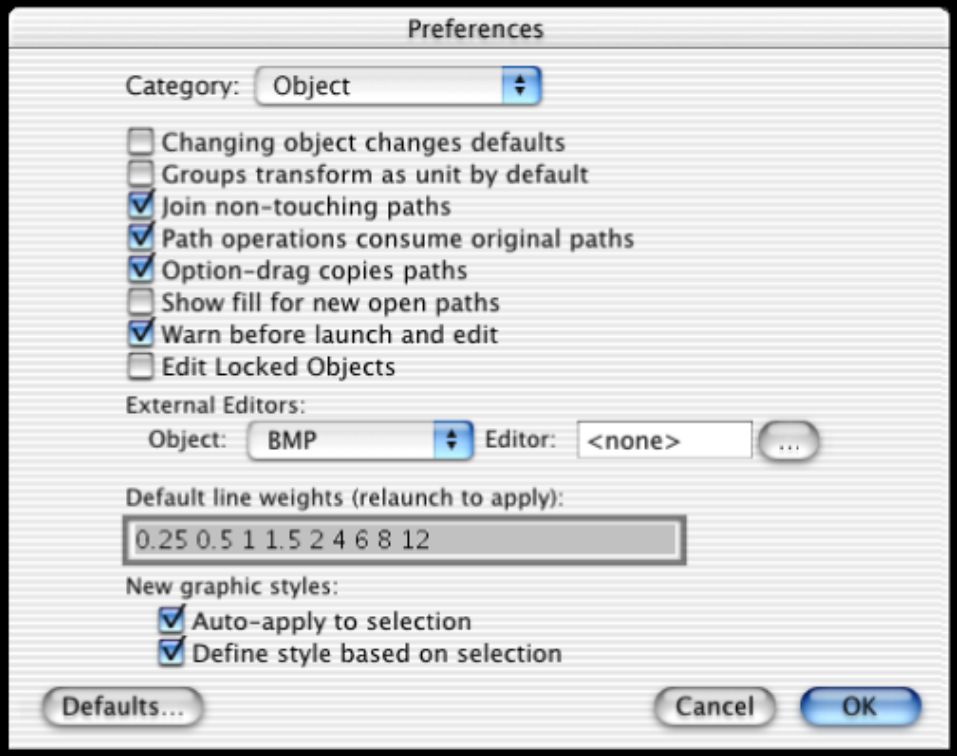


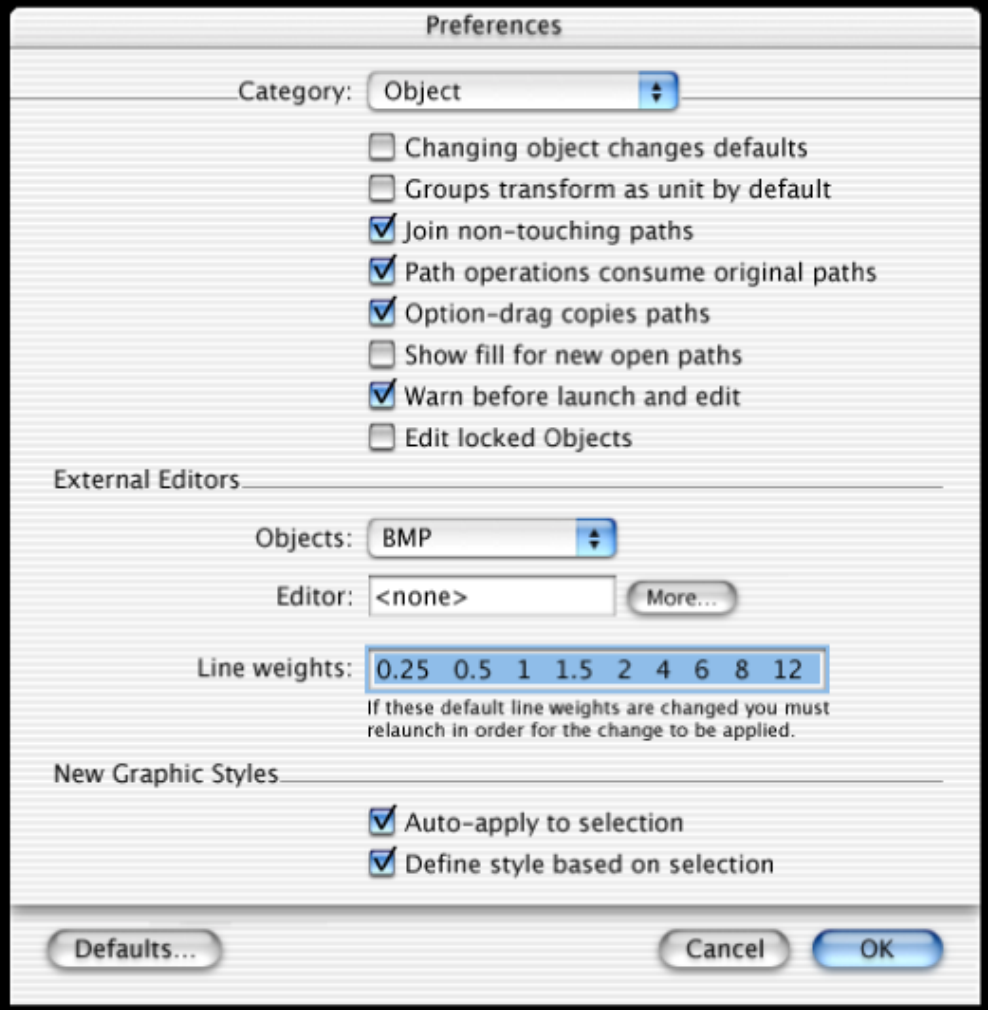
Interface Builder

The tool for applying the layout guidelines

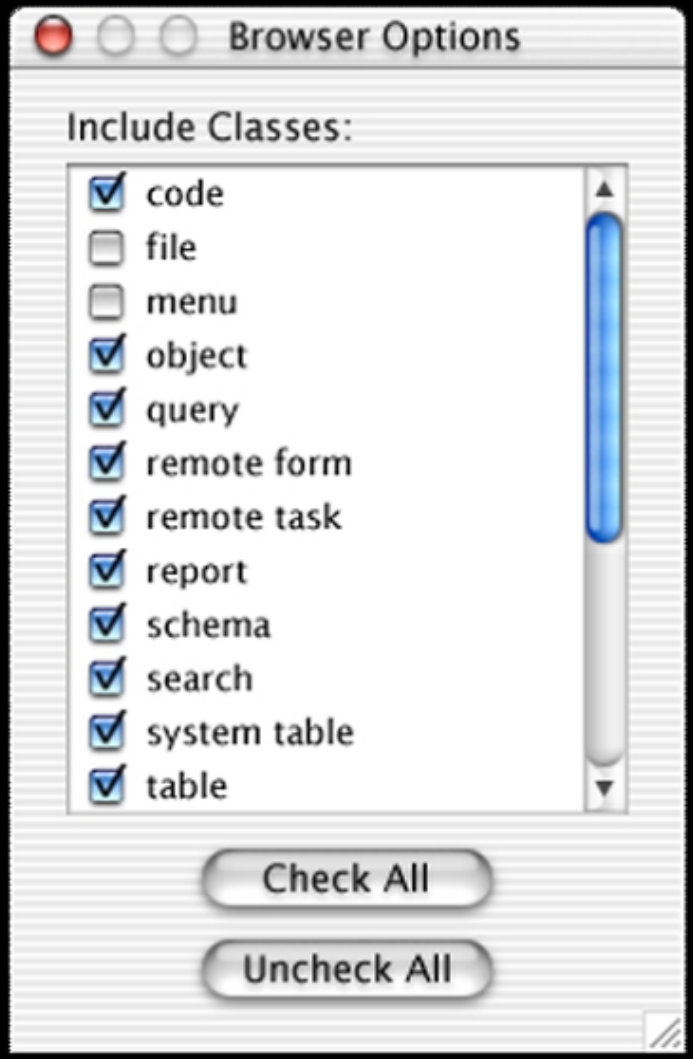
- Prototyping with a “kick”
- The UI design tool of choice for Mac OS X
- Carbon APIs available to access nib file contents

Common Scenarios


Preferences
Category: Object
Changing object changes defaults
Groups transform as unit by default
Join non-touching paths
Path operations consume original paths
Option-drag copies paths
Show fill for new open paths
Warn before launch and edit
Edit Locked Objects
External Editors:
Object: BMP
Editor: <none>
...
Default line weights (relaunch to apply):
0.25 0.5 1 1.5 2 4 6 8 12
New graphic styles:
Auto-apply to selection
Define style based on selection
Defaults...
Cancel
OK


Preferences
Category:
Object
Changing object changes defaults
Groups transform as unit by default
Join non-touching paths
Path operations consume original paths
Option-drag copies paths
Show fill for new open paths
Warn before launch and edit
Edit locked Objects
External Editors
Objects:
BMP
Editor:
<none>
More...
Line weights:
0.25 0.5 1 1.5 2 4 6 8 12
If these default line weights are changed you must relaunch in order for the change to be applied.
New Graphic Styles
Auto-apply to selection
Define style based on selection
Defaults...
Cancel
OK

Browser Options
code
file
menu
object
query
remote form
remote task
report
schema
search
system table
table
task
toolbar
window
Include All
Exclude All
OK
Cancel

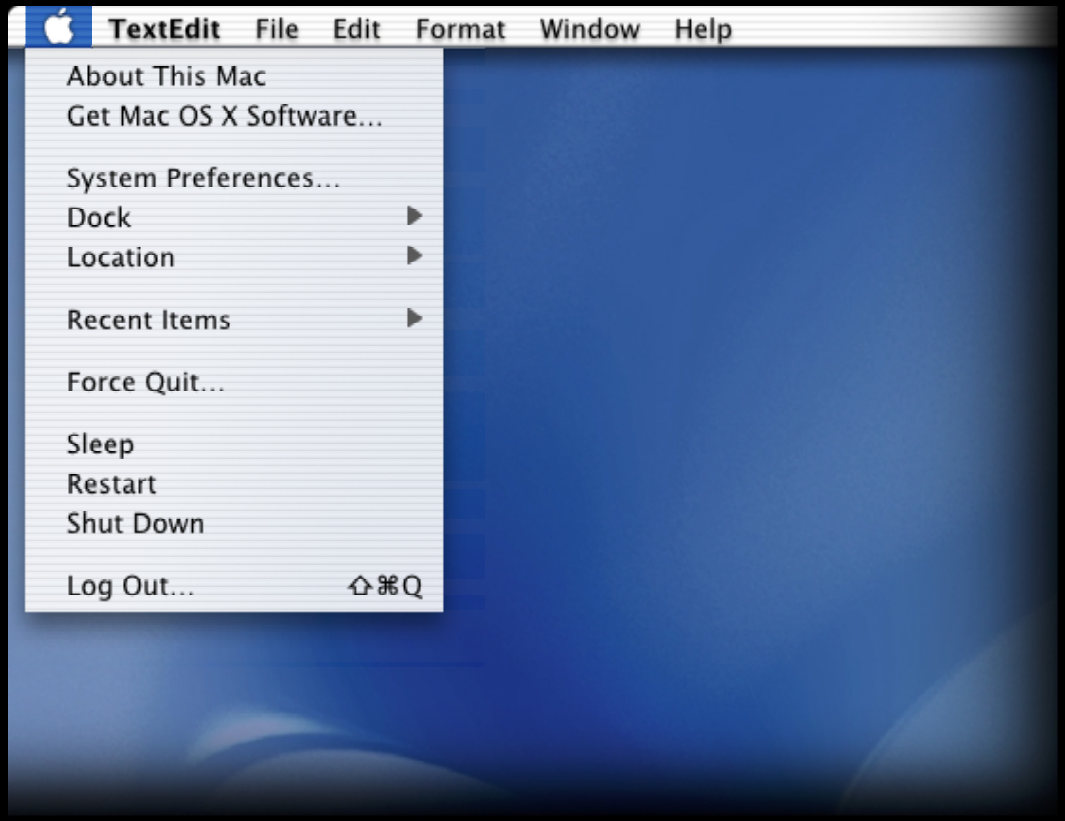

Browser Options
Include Classes:
code
file
menu
object
query
remote form
remote task
report
schema
search
system table
table
Check All
Uncheck All

Document Source:
Flatbed
Image Type
Color Photo
Destination
Stylus Printer(Photo)
Unsharp Mask
Source:
W
21.59
H
29.72
cm
Target:
W
21.59
H
29.72
Resolution:
300
dpi
Scale:
9
4266
100
%
AUTO
Reset
Preview
Settings...
Configuration...
Full Auto Mode..
Scan
Close
Help

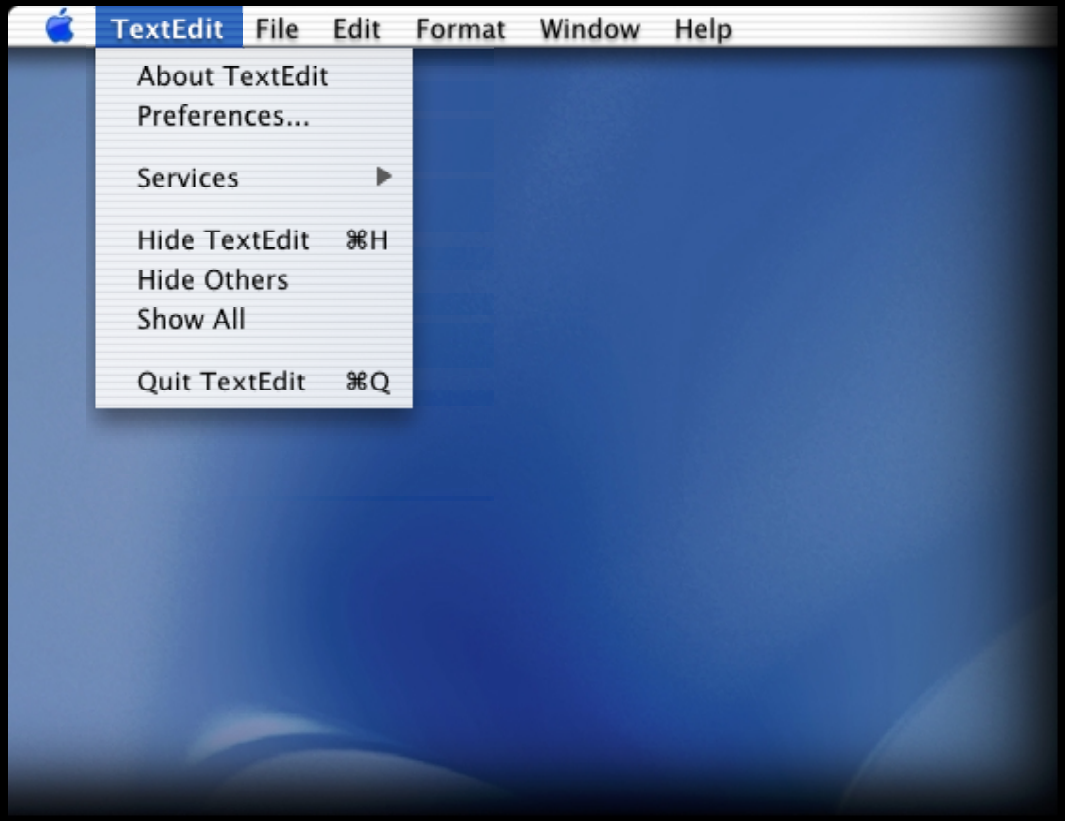
Preferences
Easy Scan
Advanced
Device Type:
Flatbed scanner
Destination:
Stylus Printer (Photo)
Details...
Original Image
Width:
29.72
Height:
29.72
cm
Type:
Color Photo
Details...
Scanned Image
Width:
29.72
Height:
29.72
cm
Resolution:
300
dpi
Size: 4.5MB
Scale:
300
%
Image Quality
Adjust automatically
Details...
Tone...
Color...
Reset
Preview
Scan

Don’t Be a Stranger in a Strange Land

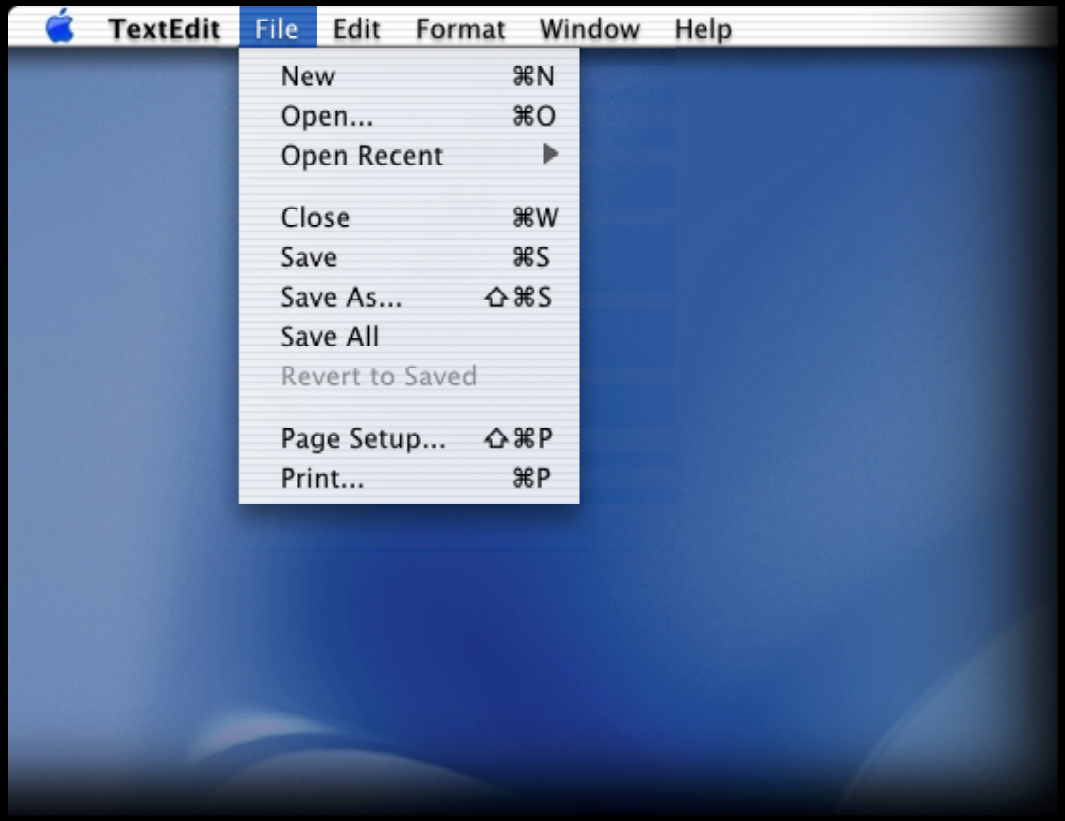
A New Layout for Menus



Application-Specific Items

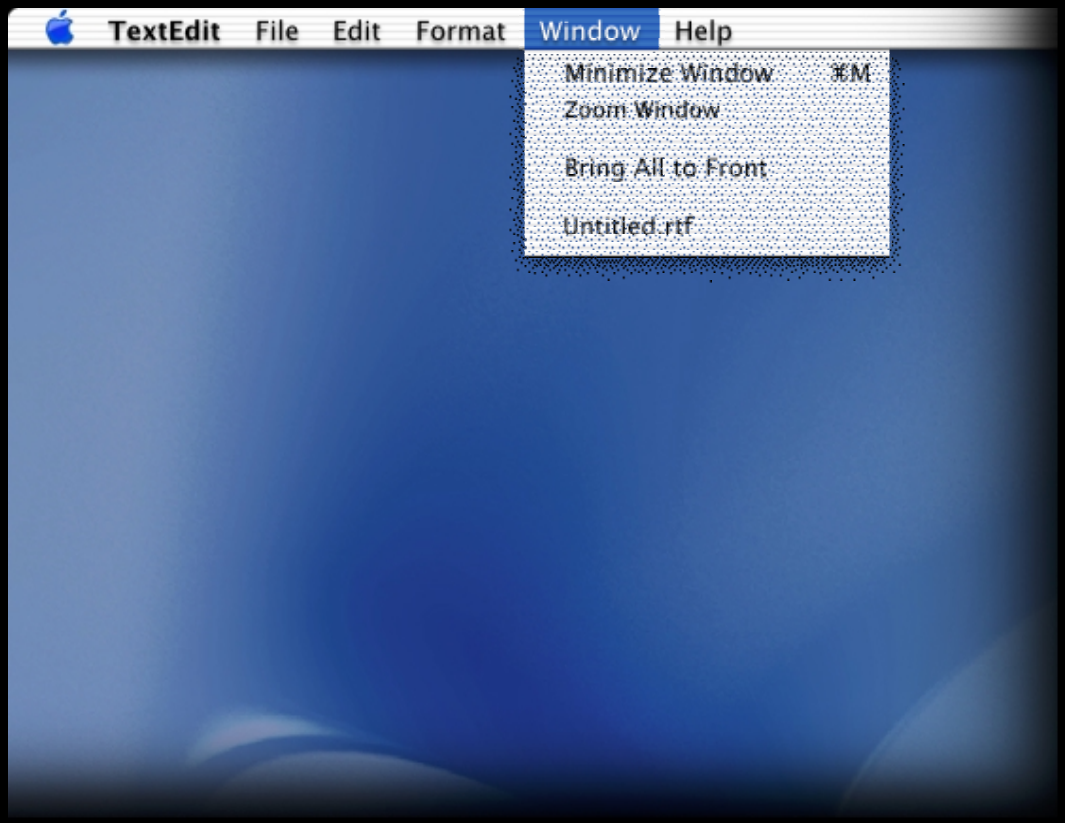


Document-Specific Items

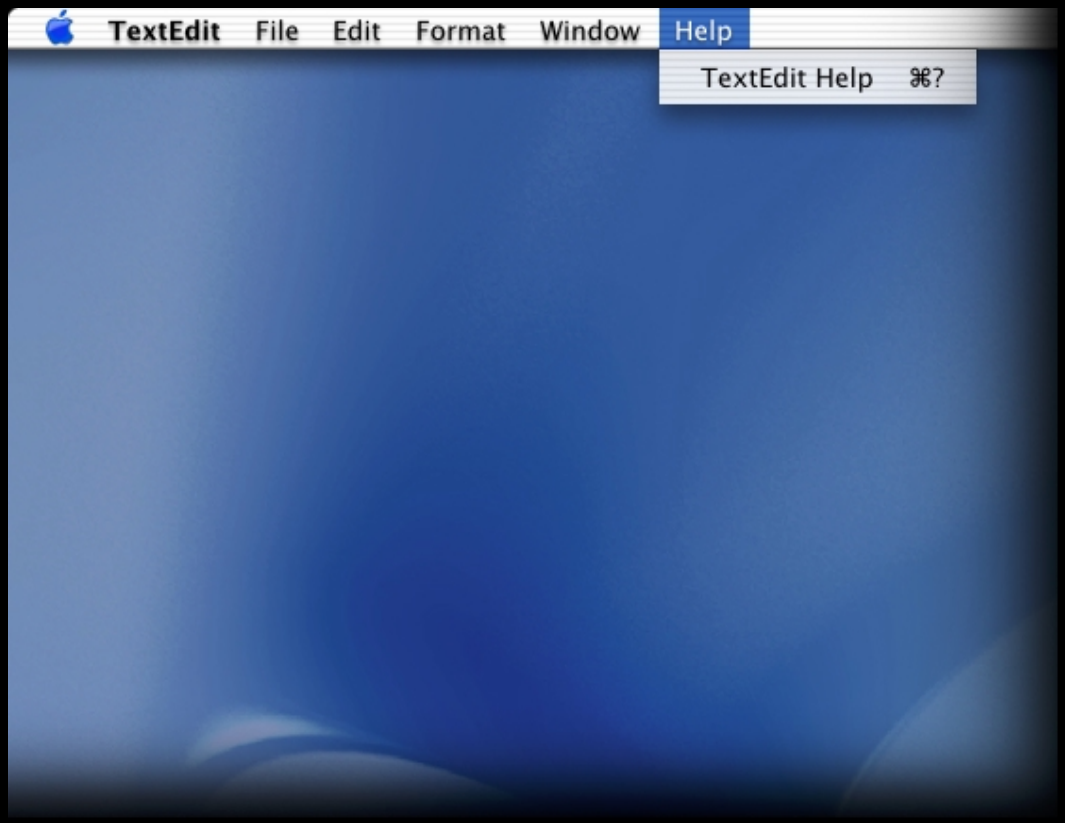


Document Content

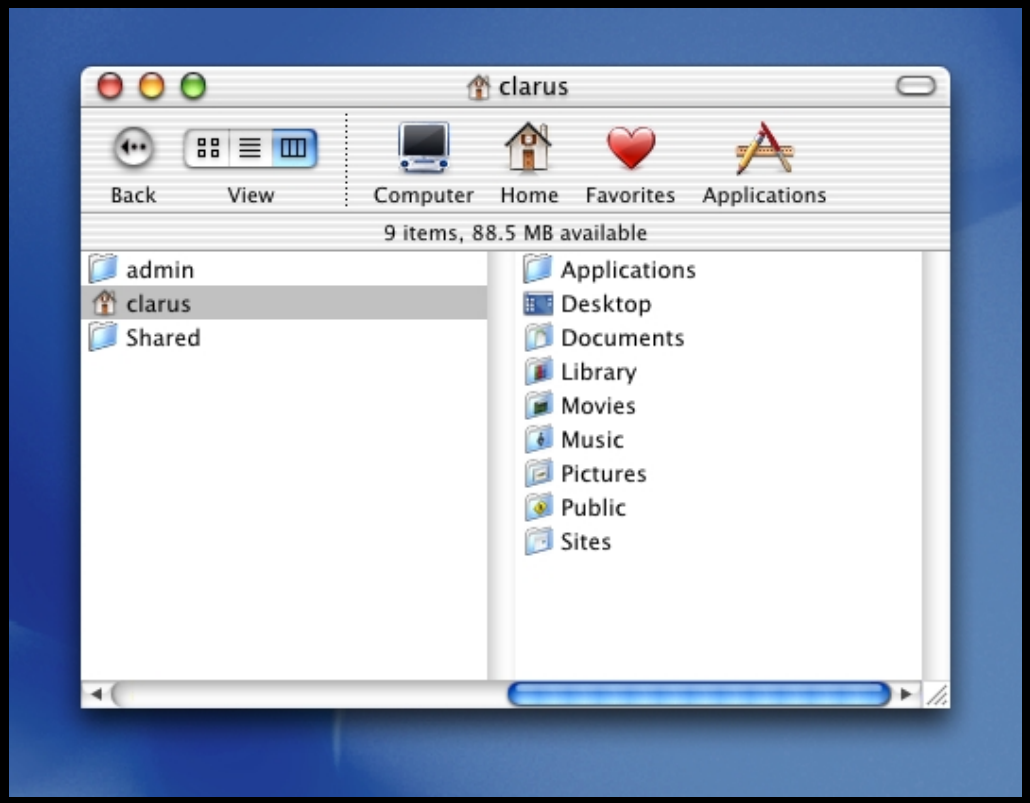
Manage Your Windows



Provide User Assistance



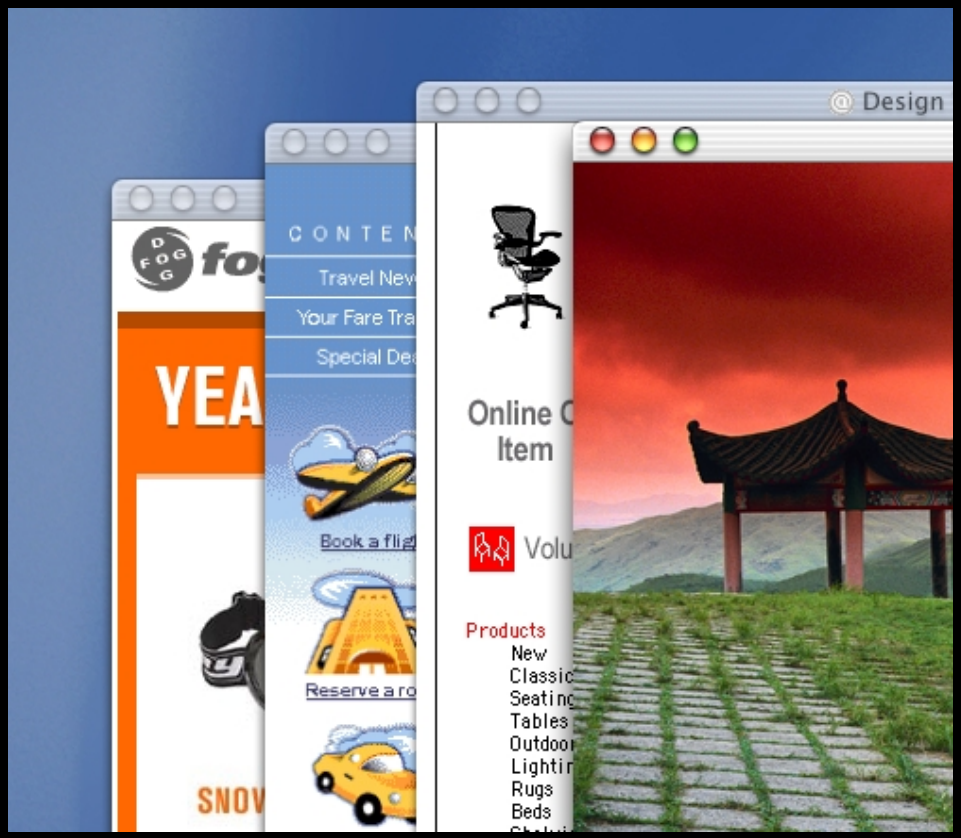
7 Use Predefined File Locations



8 Apple Help

Mac Help Quick Clicks
Ask
Mac Help
Quick Clicks
What do I use the Finder for?
How do I change computer settings?
What do I do to get connected?
Can I send email?
How do I print my documents?
News
The latest info about compatibility and updates.
More
@ Apple.com
Visit the Mac OS X Web site for the latest news.
Go

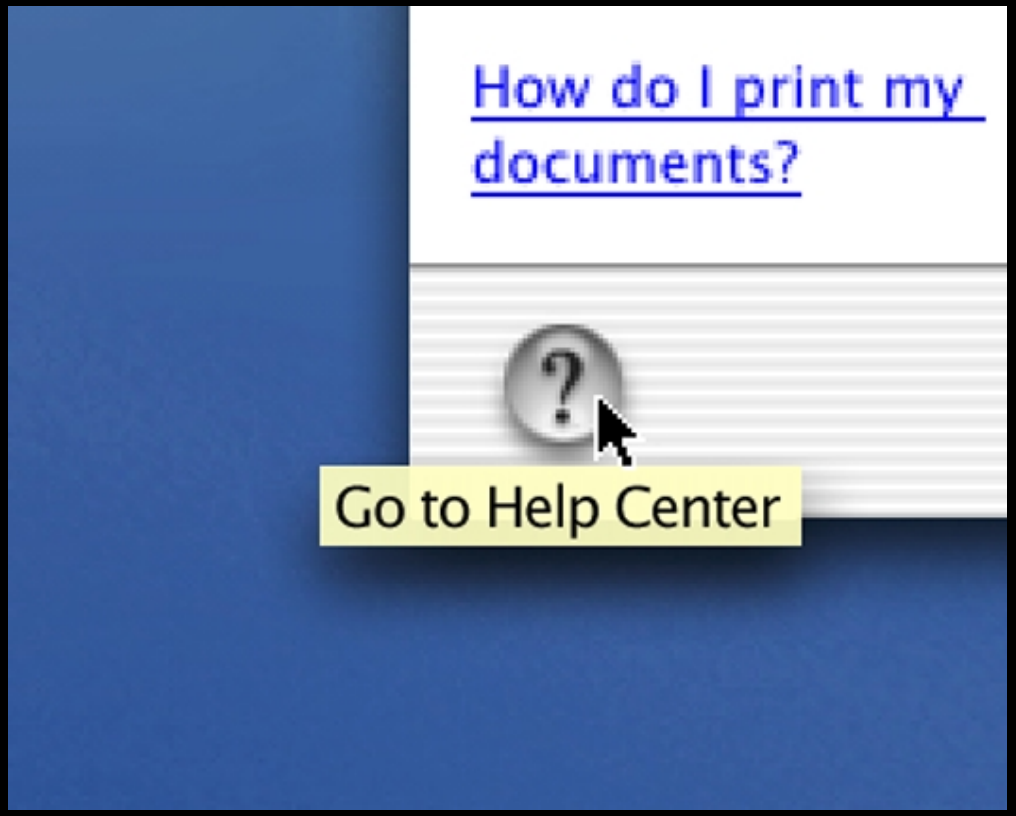
9 New Window Layering Model



10 Sheets

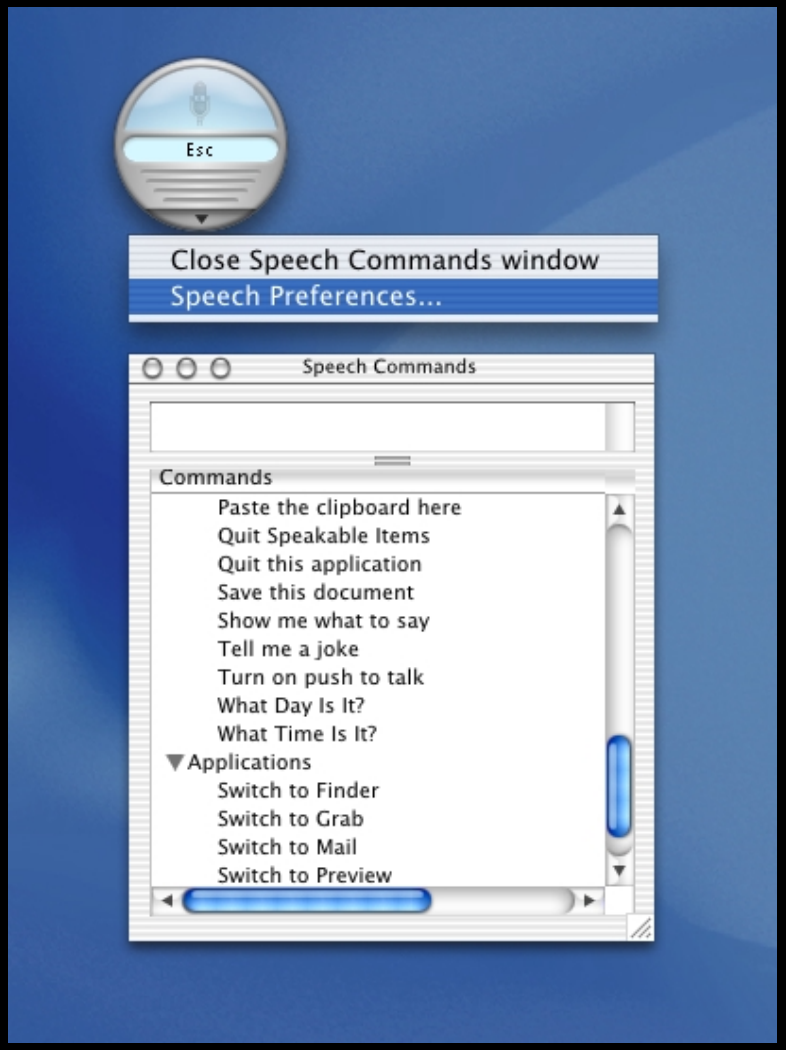
Temple.tiff
Save as:
Temple1.tiff
Where:
Desktop Pictures
Cancel
Save

11 Help Tags



12 Speech Enabled

- Familiar
  - We all talk and listen
- Benefits
  - Adds value for your users
  - Differentiates your product
  - Makes your application more enjoyable
  - Provides a richer interface than just a GUI



13 Consistency Everywhere

- Use Standard Print
- Use Page Setup
- Use Color Picker
- Use Font Picker
- Support Unicode and International customers
- Application bundles

In Closing…

- Focus on basics before advanced
- Use the “Checklist for Creating Aqua Applications”
- Work with Apple to enhance Aqua
- Create showcase Aqua applications!

What’s Your Legacy?

Apple
Design
Awards

Tonight. 6:30 pm. Hall 2. Don’t miss them!

For More Information

- Inside Mac OS X: Aqua Human Interface Guidelines
  New!
  http://developer.apple.com/techpubs/macosx/
  Also available through FatBrain
- Mac OS X User Experience Technologies
  http://developer.apple.com/ue
- Human Interface Design Discussion List
  http://www.lists.apple.com/mailman/listinfo/apple-hi-developers

Roadmap

119 Carbon Controls & Appearance I	Hall 2 **Thurs., 9:00am**
120 Carbon Controls & Appearance II	Hall 2 **Thurs., 10:30am**
130 Designing & Using Aqua Icons	Hall 2 **Fri., 10:30am**
125 Apple Help	Room J2 **Thurs., 2:00pm**
127 Speech Recognition & Synthesis In-Depth	Room C **Thurs., 10:30am**

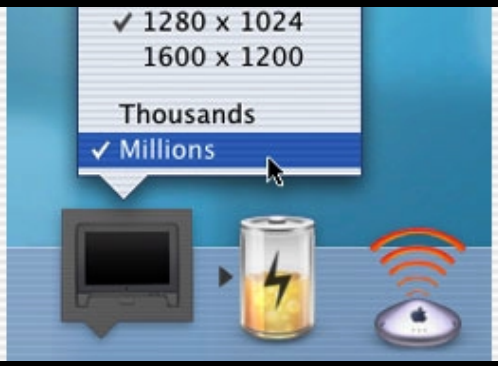
Roadmap

114 Application Packaging & Document Binding	Hall 2 **Wed., 5:00pm**
702 Interface Builder	Hall 2 **Tues., 3:30pm**
FF103 Feedback Forum: Aqua	Room J1 **Wed., 3:30pm**
FF114 Feedback Forum: High Level Toolbox	Room C **Fri., 3:30pm**

Who to Contact

John Geleynse
User Experience Technology Manager
Apple Worldwide Developer Relations
geleynse@apple.com

Q&A



John Geleynse
User Experience Technology Manager
geleynse@apple.com

http://developer.apple.com/events/urls.html

WWDC
Worldwide Developers Conference 2001